

Abstract

A device for inspecting a cargo container such as a motor vehicle or freight pallet, with penetrating radiation. A source of penetrating radiation is mounted on a moveable bed, 5 thereby allowing a beam of penetrating radiation to sweep the large container. At least one detector is also mounted on the bed, either on the side of the source or on a boom, so that, as the beam is scanned across the container, the container and any contents of the container are characterized by transmitted or scattered radiation, or both.

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